

Track 1-Systems Analysis & LowTemp - Room Standley I			Track 2 HRC - Room Westminster II			Track 3 EGS1 - Room Westminster I			Track 4 EGS2 - Room Standley II		
Time	Panel	Presenter(s), Awardee (or Organization), Project Title	Time	Panel	Presenter(s), Awardee (or Organization), Project Title	Time	Panel	Presenter(s), Awardee (or Organization), Project Title	Time	Panel	Presenter(s), Awardee (or Organization), Project Title
8:00a-9:00a 60 min		tbd, tbd Open Meetings - TBA (room: Westminster III & IV)	8:00a-9:00a 60 min		tbd, tbd Open Meetings - TBA (room: Westminster III & IV)	8:00a-9:00a 60 min		tbd, tbd Open Meetings - TBA (room: Westminster III & IV)	No Meetings		
9:00a-9:30a 30 min	Low Temp: Mineral Recovery	Jay Renew, Southern Research Institute Geothermal Thermoelectric Generation (G-TEG) with Integrated Temperature Driven Membrane Distillation and Novel Manganese Oxide for Lithium Extraction	9:00a-9:30a 30 min	HRC: Systems Analysis, Resources Assessment, Data System Development & Population,	Patrick Dobson, LBNL & Katherine Young, NREL Resource Reporting Methodology Analysis and Development of Geothermal Resource Reporting Metric for GTO's Hydrothermal Program	9:00a-9:30a 30 min	cont'd -- EGS: Reservoir Modeling	Mack Kennedy, LBNL & Doug Blankenship, SNL Validation of EGS Feasibility, Validation of EGS Feasibility through Predictive Analysis			
9:30a-10:00a 30 min		Susanna Ventura, SRI International Selective Recovery of Metals From Geothermal Brines	9:30a-10:00a 30 min		Greg Mines, INL Hydrothermal Reservoir Productivity	9:30a-10:00a 30 min		Tim Scheibe, PNNL Support of the DOE GTO Model Comparison Activity			
10:00a-10:30a 30 min		Robert Zierenberg, University of California - Davis Maximizing REE Recovery in Geothermal Systems	10:00a-10:10a 10 min		Audience Q&A			10:00a-10:30a 30 min	Eric Sonnenthal, LBNL ARRA THMC Modeling		
10:30a-10:40a 10 min		Audience Q&A			10:10a-10:40a 30 min	Wrap up: Systems Analysis, Resources Assessment, Data System Development & Population, Education Session		10:30a-10:40a 10 min	Audience Q&A		
10:40a-11:00a 20 min		Break			10:40a-11:00a 20 min	Break		10:40a-11:00a 20 min	Break		
11:00a-11:30a 30 min		Athanasios Karamalidis, Carnegie Mellon University Chelating Resins for Selective Separation and Recovery of Rare Earth Elements from Low Temperature Geothermal Water	11:00a-11:30a 30 min	HRC: High Temp Tools, Drilling Systems	Dale Wolfer, Atlas Copco Secoroc LLC Advanced Percussive Drilling Technology for Geothermal Exploration and Development	11:00a-11:30a 30 min		Dr. Derek Elsworth, Pennsylvania State University Recovery Act: THMC Modeling of EGS Reservoirs - Continuum through Discontinuum Representations: Capturing Reservoir Stimulation, Evolution and Induced Seismicity			
11:30a-12:00p 30 min		Raymond Addleman, PNNL Recovery of Rare Earths, Precious Metals and Other Critical Materials from Geothermal Waters with Advanced Sorbent Structures	11:30a-12:00p 30 min		Charlie Visser, NREL SURGE: Geothermal Drilling and Completions: Petroleum Practices Technology Transfer	11:30a-11:40a 10 min			Audience Q&A		
12:00p-12:30p 30 min		Dean Stull, Tusaar Corp. Environmentally friendly economical sequestration of rare earth metals from geothermal waters	12:00p-12:30p 30 min		Toshi Sugama, BNL Multifunctional Corrosion -resistant Foamed Cement Composites	11:40a-12:10p 30 min			Wrap Up: Reservoir Modeling Session		
12:30p-12:40p 10 min		Audience Q&A			12:30p-12:40p 10 min	Audience Q&A		12:10p-12:40p 30 min			
12:40p-2:00p 80 min		tbd, tbd Lunch (room: Westminster III & IV)	12:40p-2:00p 80 min		tbd, tbd Lunch (room: Westminster III & IV)	12:40p-2:00p 80 min		tbd, tbd Lunch (room: Westminster III & IV)			
2:00p-2:30p 30 min		Caroline Ajo-Franklin, LBNL Engineering Thermophilic Microorganisms to Selectively Extract Strategic Metals from Low Temperature Geothermal Brines	2:00p-2:30p 30 min	HRC: High Temp Tools, Drilling Systems	George Trabits, Trabits Group, LLC Recovery Act: Development Of An Improved Cement For Geothermal Wells	2:00p-2:30p 30 min		EGS: Reservoir Fracture Characterization & Fluid Imaging	Dr. Ahmad Ghassemi, The Board of Regents of the University of Oklahoma Laboratory-Scale Characterization of EGS Reservoirs		
2:30p-3:00p 30 min		Pete McGrail, PNNL Magnetic Partitioning Nanofluid for Rare Earth Extraction from Geothermal Fluids	2:30p-3:00p 30 min		Douglas Blankenship, SNL Drilling Technologies Evaluation	2:30p-3:00p 30 min			Joe Moore, University of Utah Novel Geothermal Development of Deep Sedimentary systems in the US		
3:00p-3:30p 30 min	Stephen Harrison, Simbol Materials Determination of Rare Earths in Geothermal Brines and Evaluation of Potential Extraction Techniques	3:00p-3:10p 10 min	Audience Q&A		3:00p-3:30p 30 min	Dr. Derek Elsworth, The Pennsylvania State University Surface and Subsurface Geodesy Combined with Active Borehole Experimentation for the Advanced Characterization of EGS Reservoirs					
3:30p-3:40p 10 min	Audience Q&A		3:10p-3:40p 30 min		Wrap up: High Temp Tools and Drilling Systems Session		3:30p-3:40p 10 min		Audience Q&A		
3:40p-4:00p 20 min	Break		3:40p-4:00p 20 min		Break		3:40p-4:00p 20 min		Break		
4:00p-4:30p 30 min	Wrap up: Mineral Recovery Session		4:00p-5:40p 100 min	DOE Resource Reporting Methodology Effort (led by NREL/LBNL) - Update/Discussion	4:00p-4:30p 30 min	Dr. Chris Marone, The Pennsylvania State University Leveraging a Fundamental Understanding of Fracture Flow, Dynamic Permeability Enhancement, and Induced Seismicity to Improve Geothermal Energy Production					
4:30p-5:00p 30 min					4:30p-5:00p 30 min		Dr. Matthew Becker, California State University Long Beach Phase I Project: Fiber Optic Distributed Temperature Sensing for Periodic Hydraulic Tests				
5:00p-5:30p 30 min					5:00p-5:30p 30 min		Dr. Christopher White, LA State University Geothermal Resource Development with Zero Mass Withdrawal, Engineered Convection, and Wellbore Energy Conversion				
5:30p-5:40p 10 min					5:30p-5:40p 10 min		Audience Q&A				